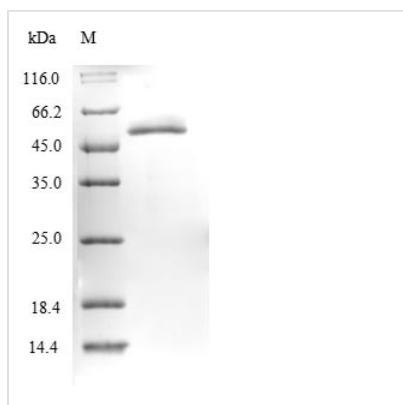


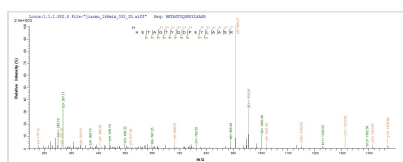


Recombinant Pseudomonas azotoformans L-amino acid amidase (laaA)

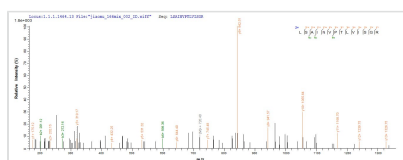
Product Code	CSB-EP748477PHAE
Relevance	Hydrolyzes L-prolinamide, L-proline-p-nitroanilide, L-alaninamide, L-methioninamide, piperidine-2-carboxamide and piperazine-2-carboxamide. Has a much lower activity towards piperazine-2-tert-butylcarboxamide. Does not hydrolyze dipeptides and D-prolinamide.
Abbreviation	Recombinant Pseudomonas azotoformans laaA protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q76KX0
Product Type	Recombinant Protein
Immunogen Species	Pseudomonas azotoformans
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MEFIEKIREGYAAFGAYQTWYRVTDGLSSGRTPLVVIHGGPGCTHDYVDAFKD VAASGHAVIHVDQLGNRSTHLPDKDPSFWTVGLFLEELNNLLDHLQISDNYAI LGQSWGGMLGSEHAILQPKGLRAFIPANSPTCMRTWVSEANRLRKLLPEGVH ETLLKHETAGTYQDPEYLAASRVFYDHHVCRVIPWPVEEVARTFAAVDADPTVY HAMSGPTEFHVIGSLKDWKSTGRLSAINVPTLVISGRHDEATPLVVVKPFLDEIA DVRWALFEDSSHMPHVEERQACMGTVVKFLDEVCSAKYKVLKAS
Research Area	others
Source	E.coli
Target Names	laaA
Protein Names	Recommended name: L-amino acid amidase EC= 3.5.1.101
Expression Region	1-310aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	54.5kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP748477PHAE could indicate that this peptide derived from E.coli-expressed *Pseudomonas azotoformans* laaA.



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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.